

Message

From: Kay, Robert [rtkay@usgs.gov]
Sent: 9/18/2014 5:47:56 PM
To: Nordine, John [nordine.john@epa.gov]
Subject: Plume Investigation Work Plan

John--I've looked over the plume investigation work plan prepared by Autumwood Consultants for the Techalloy site in Union, IL. This document is dated Sept. 2014.

General Comment--this document needs a figure showing proposed Geoprobe locations as well as either a figure or table showing historical detections. The comments below apply, but these requested figure(s) should be provided before I can finalize my comments.

Sampling Locations--I'm good with most of the proposed sampling locations, but the leading edge of the plume needs to be defined downgradient of GP-8. GP-8 had an MCL exceedence of TCE during the last sampling event. A Geoprobe location needs to be placed in the direction of plume movement (N-NW) downgradient of GP-8.

The document needs to be revised to specify how it will be determined in a timely fashion (24-hour turnaround) that the formerly "clean" Geoprobe locations (16 through 22) remain "clean". Clean means no MCL exceedences. If plume migration has occurred so that some or all of these locations are no longer clean, that the sampling locations will be moved downgradient to find the end of the plume. Suggest starting sampling at GP-22, GP-19, GP-20, and the new locations downgradient of GP-8. These samples should have 24-hour turnaround on the sampling. If these locations are clean, the rest of the locations can be sampled on a normal schedule. If they are not, the Work Plan needs to describe where sampling will be done to define the current extent of the plume.

p. 4 I thought we agreed they could stop monitoring water levels in DGW-2I and pumping in the irrigation wells. We've got a few years worth of data now and haven't seen any clear indication of pumping effects yet.

ON ANOTHER MATTER

On July 18 I sent an e-mail to Jack Thorsen asking for additional corrections to the 2012 RCRA Corrective Measures Implementation report (I think, again, with partial re-submissions of untitled documents it's difficult to keep track). Can we get the revised document? It would be nice to FINALLY put this report to bed.

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